

Logical-semantic visual navigators - Aids for teachers

Khuziakhmetov A., Steinberg V.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016 Steinberg. The relevance of the article in question is that the success of pupils' learning depends not only on the aptitude of pupils, but also on the teaching technique, including universal educational technique of various complexities. This problem is relevant on all levels of learning- from nursery schools up to higher education, including refresher courses and retraining of teachers. The purpose of this article is working out visual aids for a teacher, based on logical-semantic modeling and functioning as navigators in learners' actions, when fulfilling educational tasks. The leading method of this problem is the method of visual notion of logical-semantic models of educational actions, which enable us to view the initial problem as a purposeful and well-organized process of learning. According to the scheme of the learning process students fulfill few-stepped and multi-stepped actions and, as a result, the time of the teacher's oral explanation is shortened. The article gives logical foundation to the implementation of logical-semantic visual navigators for presenting universal educational actions. These actions are realized in coordinate matrix structures which help to fulfill few-stepped educational actions; at the same time the contents of navigators clearly reflect multi-stepped, i. e. scenario-based training actions. The functions of visual forms of navigators are clearly shown in the article. This enables students to be guided by them in the educational process, and the teacher can control the process of solving educational tasks according to the given training actions. It has been proved that the professional competence of teachers are improved thanks to the projecting of logical-semantic navigators which enable them to solve systematic tasks in forming universal training actions, performed by students.

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Keywords

Logical-semantic modeling, Navigators, Teacher, Universal educational actions